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NEWS	7	APR 28	CAS patent authority coverage expanded
NEWS	8	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS	9	APR 28	Limits doubled for structure searching in CAS REGISTRY
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NEWS	13	MAY 14	DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
NEWS	14	MAY 15	INPADOCDB and INPAFAMDB enhanced with Chinese legal status data
NEWS	15	MAY 28	CAS databases on STN enhanced with NANO super role in records back to 1992
NEWS	16	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN

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=> s colloidal silica (s) spray  
L1 195 COLLOIDAL SILICA (S) SPRAY

=> s l1 and topical  
L2 2 L1 AND TOPICAL

=> d l2 1-2

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2007:332427 CAPLUS  
DN 146:387026  
TI Topical pharmaceutical composition comprising extract of herba  
clinopodii (clinopodium polycephalum and/or clinopodium chinensis), and  
preparation method thereof  
IN Wang, Yongchao; Chen, Xiaojian; Li, Jun  
PA Sichuan Dahua Yixin Pharmaceutical Science and Technology Co., Ltd., Peop.  
Rep. China; Luzhou Keruide Jingxue Technology Development Co., Ltd.  
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 8pp.  
CODEN: CNXXEV  
DT Patent  
LA Chinese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	CN 1931227	A	20070321	CN 2006-10021848	20060914
PRAI	CN 2006-10021848		20060914		

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 1991:687220 CAPLUS  
DN 115:287220  
OREF 115:48645a,48648a  
TI Process for preparing piroxicam/cyclodextrin complexes, the products  
obtained and their pharmaceutical compositions  
IN Carli, Fabio; Chiesi, Paolo  
PA Chiesi Farmaceutici S.p.A., Italy  
SO Eur. Pat. Appl., 10 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	EP 449167	A1	19911002	EP 1991-104649	19910325

EP 449167	B1	19970910		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
NO 9101216	A	19910930	NO 1991-1216	19910325
NO 178456	B	19951227		
NO 178456	C	19960403		
AT 157883	T	19970915	AT 1991-104649	19910325
ES 2107430	T3	19971201	ES 1991-104649	19910325
CA 2039052	A1	19910928	CA 1991-2039052	19910326
CA 2039052	C	20020730		
FI 9101448	A	19910928	FI 1991-1448	19910326
FI 102461	B	19981215		
FI 102461	B1	19981215		
AU 9173838	A	19911003	AU 1991-73838	19910326
AU 644417	B2	19931209		
ZA 9102282	A	19911224	ZA 1991-2282	19910326
RU 2034544	C1	19950510	RU 1991-4895029	19910326
JP 04221314	A	19920811	JP 1991-85783	19910327
HU 60738	A2	19921028	HU 1991-1016	19910327
HU 217834	B	20000428		
US 5164380	A	19921117	US 1991-676070	19910327
IL 97693	A	19950330	IL 1991-97693	19910327
CZ 280164	B6	19951115	CZ 1991-833	19910327
SK 279171	B6	19980708	SK 1991-833	19910327
KR 175934	B1	19990320	KR 1991-4755	19910327
EG 21377	A	20010930	EG 1995-423	19950525
PRAI IT 1990-19829	A	19900327		

=> s peroxidized (s) (lipids or oil)

L3 807 PEROXIDIZED (S) (LIPIDS OR OIL)

=> s l3 and silica

L4 7 L3 AND SILICA

=> d l4 1-7 ibib abs

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:515313 CAPLUS

DOCUMENT NUMBER: 141:59753

TITLE: Oily composition based on lipoperoxides usable in the treatment of xerostomia

INVENTOR(S): Desjonqueres, Stephane

PATENT ASSIGNEE(S): Laboratoires Carilene, Fr.

SOURCE: Fr. Demande, 14 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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FR 2848852	A1	20040625	FR 2002-16517	20021223
FR 2848852	B1	20070316		
WO 2004058138	A2	20040715	WO 2003-FR3861	20031222
WO 2004058138	A3	20040930		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,  
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003303330 A1 20040722 AU 2003-303330 20031222  
 EP 1575670 A2 20050921 EP 2003-813932 20031222

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, BG, CZ, EE, HU, SK

BR 2003017196 A 20051101 BR 2003-17196 20031222  
 JP 2006513199 T 20060420 JP 2004-563301 20031222  
 US 20060078620 A1 20060413 US 2005-538835 20050613

PRIORITY APPLN. INFO.: FR 2002-16517 A 20021223  
 WO 2003-FR3861 W 20031222

OTHER SOURCE(S): MARPAT 141:59753

AB The invention relates to an oily pharmaceutical composition containing peroxidized lipids and silica characterized in that it contains, by way of essential components, from the peroxidized lipids showing a rate of peroxidn. ranging between 5 and 600 milli-equivalent per kilo and 0.5 at 4% in silica weight dispersed with the center of the aforesaid lipids peroxides. In this composition, the peroxidized lipids are preferably obtained by peroxidn. of a natural vegetable oil and silica is preferably colloidal silica. The invention also relates to the use of the composition for the manufacture of a pharmaceutical composition intended for the treatment of the dry mouth.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2001:133639 CAPLUS  
 DOCUMENT NUMBER: 134:168098  
 TITLE: Use of peroxidized lipids as lipidic film forming agents on the skin  
 INVENTOR(S): Desjonqueres, Stephane  
 PATENT ASSIGNEE(S): Fr.  
 SOURCE: Eur. Pat. Appl., 10 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1077064	A1	20010221	EP 2000-402277	20000811
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2797586	A1	20010223	FR 1999-10511	19990816
FR 2797586	B1	20011109		

PRIORITY APPLN. INFO.: FR 1999-10511 A 19990816

OTHER SOURCE(S): MARPAT 134:168098

AB Peroxidized lipids are used as lipidic film forming agents on the skin for improving cicatrization of wounds, skin erythema, or sunburn. A cream contained oxidized glycerol triesters 20.0, acrylic polymer 4, perfume 0.5, sodium Me parahydroxybenoate 0.15, Pr parahydroxybenzoate 0.05, methylchloroisothiazolinone and methylisothiazolinone 0.0012, and water q.s. 0.10%.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2001:133636 CAPLUS  
 DOCUMENT NUMBER: 134:168096  
 TITLE: Use of peroxidized lipids for  
 treating or preventing mucosal wounds and inflammation  
 of the oral cavity  
 INVENTOR(S): Desjonquieres, Stephane  
 PATENT ASSIGNEE(S): Fr.  
 SOURCE: Eur. Pat. Appl., 7 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1077061	A2	20010221	EP 2000-402276	20000811
EP 1077061	A3	20010321		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2797584	A1	20010223	FR 1999-10514	19990816
FR 2797584	B1	20080725		
PRIORITY APPLN. INFO.:			FR 1999-10514	A 19990816

OTHER SOURCE(S): MARPAT 134:168096

AB Peroxidized lipids are used for treating or preventing  
 mucosal wounds and inflammation of the oral cavity by formation of a  
 protective film on the mucosa. A protective buccal gel contained oxidized  
 glycerol triesters 92.7, silica dioxide 7, sodium saccharinate  
 0.20, and liquorice fragrance 0.10%.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:808503 CAPLUS  
 DOCUMENT NUMBER: 133:366414  
 TITLE: Use of peroxidized lipids to  
 prevent and/or treat the irritating effect of an  
 active agent  
 INVENTOR(S): Desjonquieres, Stephane  
 PATENT ASSIGNEE(S): Laboratoire Carilene, Fr.  
 SOURCE: Eur. Pat. Appl., 14 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1051979	A1	20001115	EP 2000-401257	20000509
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2793410	A1	20001117	FR 1999-6079	19990512
FR 2793410	B1	20041029		
US 6416767	B1	20020709	US 1999-333924	19990616
PRIORITY APPLN. INFO.:			FR 1999-6079	A 19990512

OTHER SOURCE(S): MARPAT 133:366414

AB Peroxidized lipids are used in pharmaceutical and  
 cosmetic compns. containing an irritant active ingredient, e.g. capsaicin or  
 retinoic acid, to treat or prevent its irritating effects. A topical  
 composition containing maize oil peroxidized lipids  
 90.925, Aerosil-300 7, 1% capsaicin 0.075, and perfume 2% was tested in

volunteers. Increased cutaneous tolerance to capsaicin in volunteers was shown. Formulation of different vehicles containing peroxidized lipids is disclosed.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1996:105866 CAPLUS

DOCUMENT NUMBER: 124:172278

ORIGINAL REFERENCE NO.: 124:31907a,31910a

TITLE: Mature human atherosclerotic plaque contains peroxidized phosphatidylcholine as a major lipid peroxide

AUTHOR(S): Piotrowski, J. J.; Shah, S.; Alexander, J. J.

CORPORATE SOURCE: Dep. Surgery, Case Western Reserve Univ., Cleveland, OH, 44109, USA

SOURCE: Life Sciences (1996), 58(9), 735-40  
CODEN: LIFSAK; ISSN: 0024-3205

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The initial stage of atherosclerotic plaque formation involves oxidation of the phosphatidyl-choline moiety of low d. lipoprotein (LDL) and subsequent uptake by macrophages. Ongoing uptake in developing plaque also may involve oxidized LDL and would require an oxidizing environment in plaque lipids. Atherosclerotic plaque lipids from 12 patients undergoing peripheral vascular procedures were extracted in chloroform: methanol (2:1). This extract was applied to a 25 cm 5  $\mu$  silica HPLC column and eluted with a ternary gradient mobile phase utilizing a laser light scattering (ELSD) mass detector. Individual lipid fractions were then analyzed. Cholesterol, both free and esterified, was the most prominent lipid in plaque (104 $\pm$ 74 mg/gm tissue). However, lipid peroxides were present in much higher concentration (3.52 $\pm$ 2.84 FU + 104/mg phospholipid) and overall level (21.27 $\pm$ 10.10 FU + 104/gm plaque) in the phospholipid component (\*). Phosphatidyl-choline (PC) accounted for 63% of the total phospholipid peroxides recovered (6.31 $\pm$ 5.09 mg/gm plaque; \*). PC and phosphatidylinositol (PI) content were linearly related to lipid peroxide fluorescence (PC; r = 0.696) (PI; r = 0.809). Lipid peroxides in human atherosclerotic plaque are present primarily in the phospholipid component and phosphatidyl-choline forms the bulk of these peroxides. PC may play an important role in ongoing plaque lipid accumulation.

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1979:102040 CAPLUS

DOCUMENT NUMBER: 90:102040

ORIGINAL REFERENCE NO.: 90:16117a,16120a

TITLE: A single-phase system for TLC analysis of amino acids, lipoperoxides, and their reaction products

AUTHOR(S): Kuck, James C.; St. Angelo, Allen J.; Ory, Robert L.

CORPORATE SOURCE: SRRC, Agric. Res. Cent., New Orleans, LA, USA

SOURCE: Oleagineux (1978), 33(10), 507-8, 511-12

CODEN: OLEAAF; ISSN: 0030-2082

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A model thin-layer chromatog. system utilized a single-phase solvent to sep. and identify the amino acid-lipoperoxide products formed between threonine [72-19-5] and lysine [56-87-1] and linoleate hydroperoxide [7722-17-0]. The products were separated from the free amino acids and unreacted hydroperoxide on a thin-layer plate coated with silica gel G, were developed in a 4-phase mixed solvent system of petroleum ether-Et<sub>2</sub>O-HOAc (60:40:1), then sprayed with Cu(OAc)<sub>2</sub>-H<sub>3</sub>PO<sub>4</sub> solution to

locate all spots. Results from mass and IR spectroscopic anal. of the desolventized products formed between the amino acids and peroxidized lipids scraped from the preparative plates indicate that they are new reaction products. Five reaction products were found in each mixture

L4 ANSWER 7 OF 7 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
ACCESSION NUMBER: 1968:6655 BIOSIS  
DOCUMENT NUMBER: PREV19684900006655; BA49:6655  
TITLE: Lactones in autoxidized vegetables oils.  
AUTHOR(S): FIORITI, J. A.; KRAMPL, V.; SIMS, R. J.  
CORPORATE SOURCE: Corporate Res. Dep., Gen. Foods Corporation, White Plains,  
N. Y., USA  
SOURCE: J AMER OIL CHEM SOC, (1967) Vol. 44, No. 9, pp. 534-538.  
DOCUMENT TYPE: Article  
FILE SEGMENT: BA  
LANGUAGE: Unavailable  
ENTRY DATE: Entered STN: May 2007  
Last Updated on STN: May 2007

AB It was demonstrated that both gamma and delta saturated lactones are present in highly peroxidized vegetable oils. In the oils which were investigated the gamma isomers are predominant. Additional lactones also form when the hydroperoxides are reduced. Although no lactones were detectable in fresh, refined soybean oil, considerable amounts of both gamma and delta lactones were found to be present in highly peroxidized samples of cottonseed and soybean oils. The lactones in the peroxidized oils were concentrated by column chromatography on silica gel and by vacuum distillation. Gas-liquid chromatography was used for separation and identification. This has been supplemented by thin-layer chromatography, infrared spectrophotometry, and nuclear-magnetic-resonance spectrometry. ABSTRACT AUTHORS: Authors

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